

ABSTRACT OF THE DISCLOSURE

A system and method for digitally rendering omni-directional images includes capturing images of a region 360 degrees about an origin point in a single plane, and assembling the images in a digital format to create a complete spherical image surrounding the origin point. The spherical image is projected onto faces of a cube surrounding the spherical image. Images which were projected on the faces of the cube may then be rendered to provide an omni-directional image.

5  
10  
15  
20  
25  
30  
35  
40  
45  
50  
55  
60  
65  
70  
75  
80  
85  
90  
95  
100